



HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY and CHANGE OF CORRESPONDENCE ADDRESS

Application/Patent Number 10/786,380

Piling/Issue Date February 24, 2004

First Named Inventor/Patentee Mary Jane Cardosa

Confirmation Number 3579

Group Art Unit 1642

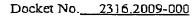
Examiner Name UNKNOWN

Attorney Dacket Number 2316,2009-000

Title Recombinant MVA Virus Expressing Dengue Virus Antigens and the Use Thereof in Vaccines

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	[]	l hereb	y appoint the following practitioner(s): [Not to exceed 10]			
		OR				
	[X]	l hereb	y appoint the practitioners associated with the Customer Number: 22852			
	Pleas	e chang	e the correspondence address for the above-identified application to:			
	[X]	Custo	mer Number 22852			
		Finneg	an, Henderson, Farabow, Garrett & Dunner, LLP			
		901 Ne	w York Avanue, NW			
		Washir	ngton, D.C. 20001-4413			
	[]	Other				
			·			
	Pleas	se direct	all telephone calls and facsimiles to:			
	Name	e Salva	tore J. Arrigo Tel. No. 202-408-4160 Fax No. 202-408-4400			
	l am	the:				
	i]	Applica	int/Inventor.			
	[] Authorized representative of the Assignee, [], of the entire interest. See 37 C.F.R. § 3.71. Statement under 37 C.F.R. § 3.73(b) is enclosed.					
	[X] Authorized representative of the Assignee, Universiti Malaysia Sarawak, together with Bavarian Nordic Rasserth Instituted AIS and GSF-Forschungszentrum für Umwelt and Gesundheit GmbH, of the entire Interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed.					
			SIGNATURE of Applicant or Assignee of Record			
	Signat	ure	M			
	Name	& Title	DR MARY JANE CARDOSA			
	Date		8 F.EB 2006			

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STATEMENT UNDER 37 CFR § 3.73(b)

Applica	ation No.	/Patent No.:_	10/786,380	·	Filed/Issue Date:	February 24 2004
Entitle	ži	Recombina	ol MVA Virus Expres	sing Dengue Virus	Antigens and the Use T	hereof in Vaccines
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The rig	ht, title s	and interest of	the above-named assi	gnce in the patent	application/patent identi	fied above is established by virtue of
A. [X]	An ass Patent	ignment from and Tradema	the inventor(s) of the	patent application Frames	patent identified above or a copy there	The assignment was recorded to the of is attached.
OR						
	A -14		the insuranted of the		horne identified chare	to the comment application at the state
B.[]	helow:		the inventor(s) of the	patent application	palent identified above,	to the current assignee as shown
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	3.	From:		To:		
			ent was recorded in th		tent and Trademark Offi y thereof is attached.	ice at
	[] A	dditional doc	uments in the chain of	title are listed on a	supplemental sheet	
			b)(1)(i), the document nitted for recordation			original owner to the assignee was,
The un	dersigne	d (whose title	is supplied below) is	authorized to act o	n behalf of the assignce.	
Signan	1rc:					
Name:	7	A'RY J	ANE CANED	OSA		
Title:_	Dr					
Date:_		FEB 200	26		•	
(iii)PFDes)	MGO::/qnb	МНОДМАЛНВЯТ	R05:iManage:602282;1			

REST AVAILABLE COPY

PATENT APPLICATION Assignment



For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, inventor:

Mary Jane Cardosa

Who have created a certain invention for which I have executed, on or about the date of this assignment, an application for United States Letters Patent entitled RECOMBINANT MVA VIRUS EXPRESSING DENGUE VIRUS ANTIGENS, AND THE USE THEREOF IN VACCINES.

Do hereby sell, assign and transfer to Universiti Malaysia Sarawak, a corporation, having a place of business at 94300 Kota Sarnarahan, Sarawak, Malaysia, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Universiti Malaysia Sarawak, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

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Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

	·
Mary Jane Cardosa	
m	
Signature: Dr. Mary Jane Cardusa Signature: Director Institute of Health & Community Medicine UNIVERSITI MALAYSIA SARAWAK	
22/2/99 Date:	
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Witness:	Witness:
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Signature: NORRESTICIN ARD- RATIONAN	Signature: 710 PHAIK 1782/
22/2/99	22/2/99
Dates	T3-4

ÉROOK, SMITH & REYNOLDS, P.C.

Recombinant MVA Virus Expressing Dengue Virus Antigens and the Use Thereof in Vaccines

ATION OF POWER OF **ATTORNEY WITH NEW POWER OF ATTORNEY** and CHANGE OF CORRESPONDENCE **ADDRESS**

Title

10/786,380 Application/Patent Number February 24, 2004 Filing/Issue Date First Named Inventor/Patentes Mary Jane Cardoss 3579 Confirmation Number 1642 Group Art Unit UNKNOWN Examiner Name 2316.2009-000 Attorney Docket Number

	revoke a	II previous po	wers of a	attornay given in	the abov	e-identified	application	٦.	
[]	l hereby	appoint the fo	llowing pr	actilioner(s): [Not	to exceed 1	ОЈ			
	OR								0
[X]	I hereby	I hereby appoint the practitioners associated with the Customer Number: 22852							
Plea	se change	e the correspor	ndence ac	idress for the abov	e-identific	ed application	on to:		
[X]	Custo	ner Number	22852		.;				
	Finnega	an. Henderson,	Farabow	, Garrett & Dunner	, LLP				
	_	w York Avenue							
	Washin	gton. D.C. 200	001-4413						
[]	Other _								
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		all telephone c			202-	108-4160	Fax No.		02-408-4400
Nar	nc <u>Salva</u>	'			202-	4DB-4160	Fax No.	2	02-408-4400
Nar i an	nc <u>Salva</u> n the:	tore J. Arrigo				4DB-4160	Fax No.		02-408-4400
Nar	n the: Applica	nt/Inventor.	etive of the	Tel. No	202-				02-408-4400 C.F.R. § 3.71.
Nar i an	n the: Applica Authori Statem	nt/Inventor. zed representeent under 37 C	ative of the	Tel. No.	71], of the en	ntire interest.	See 37	C.F.R. § 3.71.
Nar I an []	n the: Applica Authori Statem	nt/Inventor. zed representeent under 37 C	ative of the C.F.R. §3. ative of the nd GSF-F t under 37	Tel. No. c Assignee, [73(b) is enclosed.	ian Nord im fur Ur is enclose], of the er ic Recear c nwelt and i	ntire interest. h institut∳ A Gesundheit	See 37	C.F.R. § 3.71.
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Docket No. 2316.2009-000



Applica	INVP ATC	Mary Jane Cardosa, Gerd Sutter and Volker Erfle
Applica	tion No./	Patent No.: 10/786.380 Filed/Issuc Date: February 24, 2004
Entitled	1:	Recombinant MVA Virus Expressing Dengue Virus Antigens and the Use Thereof in Vaccines
	Bavana	IN Nordic Research Institute A/S , a corporation (Name of Ausignee) (Type of Ausignee, e.g., corporation, partnership, university, government agency, etc.)
states ti	ant it in	(Name of Assignee)
emics ii	121 11 13	
Ą.	[]	the assignee of the entire right, title and interest in the patent application/patent identified above; or
В.	[X]	an assigned together with Universiti Malaysia Sarawak and GSF-Forschungszentrum für Umwelt and Gesundheit GmbH of the entire right, title and interest in the patent application/patent identified above.
The rig	ht, title as	nd interest of the above-named assignee in the patent application/patent identified above is established by virtue of
A. [X]	An assi Patent s	griment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the and Trademark Office at Reel, Frames, or a copy thereof is attached.
OR		
в. []	A chain below:	of title from the inventor(s) of the patent application/patent identified above, to the current assignee as shown
	1.	From:To:
	2.	From:
	3.	From:To:
		The document was recorded in the United States Patent and Trademark Office at Roel, Frame, or a copy thereof is attached.
	() A	dditional documents in the chain of title are listed on a supplemental sheet.
		37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, is being, submitted for recordation pursuant to 37 CFR 3.11.
The un	dersigned	d (whose title is supplied below) is authorized to act on behalf of the assignee.
Signatu	ire: P	eta Pielheu
		ira Pielken
Title:	Dire	ector Patent Departm.
		Teb 2006

@PFDcakinp\;;ODMA/MHODMA/HBSR35/iManaga/602292;1

PATENT APPLICATION Assignment



For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, inventor:

Gerd Sutter

Who have created a certain invention for which I have executed, on or about the date of this assignment, an application for United States Letters Patent entitled RECOMBINANT MVA VIRUS EXPRESSING DENGUE VIRUS ANTIGENS, AND THE USE THEREOF IN VACCINES

Do hereby sell, assign and transfer to Bavarian Nordic Research Institute A/S. a corporation. having a place of business at Naverland 2, DK 2600-Glostrup, Denmark, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Bavarian Nordic Research Institute A/S, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Gerd Sutter Signature:	
2.3.97 Date:	
Wimess: Signature: Signature:	Witness: Signature:
07.63.99 Date:	2-3.35 Date:



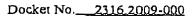
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY and CHANGE OF CORRESPONDENCE ADDRESS

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Application/Patent Number	10/786,350
Filing/Isaue Date	February 24, 2004
First Named Inventor/Patentee	Mary Jane Cardosa
Confirmation Number	3579
Group Art Unit	1642
Examiner Name	UNKNOWN
Altorney Dockel Number	2316.2009-000

Recombinant MVA Virus Expressing Dengue Virus Antigens and the Use Thereof in Vaccines Title I hereby revoke all previous powers of attorney given in the above-identified application. [] I hereby appoint the following practitioner(s): _ [Not to exceed 10] OR [X] I hereby appoint the practitioners associated with the Customer Number: 22852 Please change the correspondence address for the above-identified application to: [X] Customer Number 22852 Finnegan, Henderson, Farabow, Garrett & Dunner, LLP 901 New York Avenue, NW Washington, D.C. 20001-4413 Please direct all telephone calls and facsimiles to: 202-408-4160 Fax No. Tel. No. Name Salvatore J. Arrigo I am the: Applicant/Inventor. []], of the entire interest. See 37 C.F.R. § 3.71. A Authorized representative of the Assignee, [Statement under 37 C.F.R. §3.73(b) is enclosed. Authorized representative of the Assignee, GSF-Forschungszentrum fur Umwelt and Gesundhelt GmbH, together with Universiti Malaysia Sarawak and Bavarian Nordic Research Institute A/S, of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed. SIGNATURE of Applicant or Assignee of Record Signature Name & Title Technology Vranges head of Legal Departm





STATEMENT UNDER 37 CFR § 3.73(b)

Applica	וסופילעתב	entec: Mary Jane Cardosa, Gord Suner and Volket Erfle	
Applica	ation No	io./Patcnt No.: 10/786,380 Filed/Issue Date: February 24, 2004	
Entitled	d:	Recombinant MVA Virus Expressing Dengue Virus Antigens and the Use Thereof in Vaccines	
GSF-E	orachuna	DESZENITUM fur Umwell and Gesundheit GmbH , a <u>corporation</u> (Plane of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government ag	ency, etc.)
sintes th	nat it is		,
Α.	()	the assignee of the entire right, title and interest in the patent application/patent identified above; or	
B.	[x]·	an assignee together with Universiti Malaysia Sarawak and Bavarian Nordic Research Institute of entire right, title and interest in the patent application/patent identified above.	NS of the
The rig	ht, title a	and interest of the above-named assignee in the patent application/patent identified above is established	by virtue of:
A. [X]		ssignment from the inventor(s) of the patent application/patent identified above. The assignment was recommended and trademark Office at Reel, Frames, or a copy thereof is attached.	orded in the
OR			
B.[]	A chai below:	ain of title from the inventor(s) of the patent application/patent identified above, to the current assignee as	s shown
	1.	From: To: The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or a copy thereof is attached.	
	2.	From: To: The document was recorded in the United States Patent and Trademark Office at	
•		Reel, Frame, or a copy thereof is attached.	
	3.	From: To: To: The document was recorded in the United States Patent and Trademark Office at Reel, or a copy thereof is attached.	
	[] A	Additional documents in the chain of title are listed on a supplemental sheet.	
		y 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assi y is being, submitted for recordation pursuant to 37 CFR 3.11.	gnee was,
The un	dersigne	acd (whose title is supplied below) is authorized to act on behalf of the assignee.	
Signatu	rc:	mill in in	
Name:_	Morti	in Beichel Dr. Martin Dietz	
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Date:_	-,	Feb 8,2006	
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PATENT APPLICATION Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, inventor:

Volker Erflc

Who have created a certain invention for which I have executed, on or about the date of this assignment, an application for United States Letters Patent entitled RECOMBINANT MVA VIRUS EXPRESSING DENGUE VIRUS ANTIGENS, AND THE USE THEREOF IN VACCINES.

Do hereby sell, assign and transfer to GSF - Forschungszentrum für Umwelt and Gesundheit GmbH, a corporation, having a place of business at Ingolstädter Landstr. 1, D 85764. Neuherberg, Germany, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that GSF - Forschungszentrum für Umwelt and Gesundheit GmbH, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries: and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

BA980390,008 Dockel No. 20239-703 Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Volker Erfl	Jr. Volker Sple	
Signature:	1	•
·	1.3.99	
Date:		
	6	

Witness:

Signature:

Date:

Witness:

Signature: Signature:

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Date: